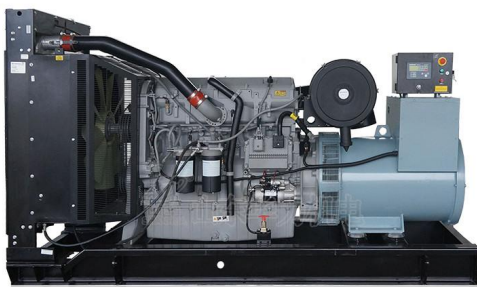




HL500GF 铂金斯柴油发电机组技术参数

HL500GF PERKINS Diesel Generator Set Technical Data



柴油发电机组技术参数

(Diesel Generator Set Technical Data)

Standby power (50HZ) 备用功率	550KW /688KVA
Prime Power (50HZ) 主用功率	500KW /625KVA

Voltage regulation (电压整定范围):	$\geq \pm 5\%$
Voltage Regulation, Stead State (稳定电压调整率):	$\leq \pm 1\%$
Sudden Voltage Warp (100% Sudden Reduce) (瞬态电压偏差 (100%突减功率)):	$\leq +25\%$
Sudden voltage Warp(Sudden Increase) (瞬态电压偏差 (突加功率)):	$\leq -20\%$
Voltage Stable Time (100% Sudden Reduce) (电压稳定时间 (100%突减功率)):	$\leq 6S$
Voltage Stable Time(Sudden Increase) (电压稳定时间 (突加功率)):	$\leq 6S$
Frequency Regulation, Stead State (稳态频率调整率):	$\leq 5\%$
Frequency Waving (频率波动率):	$\leq 1.5\%$
Sudden Frequency Warp (100%Sudden Reduce) (瞬态频率偏差 (100%突减功率)):	$\leq +12\%$
Sudden Frequency Warp (Sudden Increase) (瞬态频率偏差 (突加功率)):	$\leq -10\%$
Frequency Recovery Time (100%Sudden Reduce) (频率恢复时间 (100%突减功率)):	$\leq 5S$
Frequency Recovery Time (Sudden Increase) (频率恢复时间 (突减功率)):	$\leq 5S$

发 动 机 DIESEL ENGINE

发动机型号 Engine Model

2806A-E18TAG2

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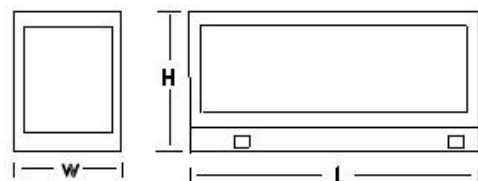
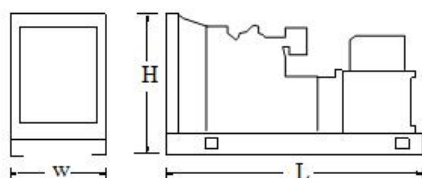


山东华力机电有限公司
Shandong Huali Electromechanical Co., Ltd., China
中国. 山东. 汶上经济技术开发区
Economic Development Zone Wenshang, Shandong Province, China

制造商 Manufacturer		PERKINS ENGINE COMPANY LIMITED 铂金斯动力有限公司					
发 动 机 功 率 数 据 ENGINE POWER DATA							
发动机转速 Engine speed (rpm)	工作状态 Type of Operation	发电输出功率		发动机功率 Engine Power			
		Typical Generator Output (Net)		Gross 毛功率		Net 净功率	
		kVA	kW	kW	bhp	kW	bhp
1500	基础负载 Base load Power	500.0	400.0	446.0	598.0	435.0	583.0
	常用 Primer Power	650.0	520.0	584.0	783.0	565.0	758.0
	备用 Standby Power	700.0	560.0	628.0	842.0	609.0	817.0
基 础 数 据 ENGINE SPECIFICATIONS							
缸数 Number of cylinders		6		气缸排列 Cylinder arrangement		立式直列 Vertical in-line	
循环周期 cycle		4 冲程 4-cycle		进气方式 Aspiration		涡轮增压Turbocharged	
燃烧方式 Combustion system		直接喷射 Direct injection		缸径 Bore(mm)		145	
冲程 Stroke (mm)		183		压缩比 Compression ratio		14.5:1	
排量 Displacement, total (L)		18.1		冷却方式 Cooling system		水冷 Water cooled	
冷却液总容量 Total coolant capacity		61L		润滑油总容量Total Lubrication (L)		62	
净重 Engine weight,dry (kg)		2050					
燃 油 消 耗 CONSUMPTION							
		1500rpm		1800rpm			
工作状态 Type of Operation		g/kWh	L/hr	g/kWh	L/hr		
备用功率 Standby power		203	143	203	141		
常用功率 prime power		202	132	202	127		
75% 常用功率 75% prime power		198	97	201	95		
50% 常用功率 50% prime power		201	66	210	66		

发 电 机 参 数 ALTERNATOR SPECIFICATION			
制造商 Manufacturer	无锡斯坦福 WUXI STAMFORD	发电机型号 Alternator Model	HCI544FS
频率 Frequency	50 HZ	额定转速 Rated Speed (RPM)	1500
电压调整 Voltage Regulation	±5%	额定电压 Prime Voltage (V)	400
相数 Number of Phase	3	海拔要求 Altitude	≤1000m
功率因数 Power Factor	0.8	防护等级 Protection Grade	IP23
接线方式 Connecting Type	三相四线 3 Phase and 4 Wires	励磁方式 Exciter Type	无刷自励磁 Brush less, self-exciting
绝缘等级 Insulation Class	H	绝缘等级 Temperature Rise	H
电话影响系数 TIF	<50	电话谐波系数 THF	<2%

机 组 尺 寸、重 量 Genset Dimensions and Weights		
	开 放 型 OPEN STYLE	静 音 型 SOUNDPROOF STYLE
尺 寸 Overall Size L×W×H, mm	3530*1460*2100	5420*2040*2610
净 重, Weight(radiator model), net, kg	4300	7000



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开放型 OPEN STYLE

静音型 SOUNDPROOF STYLE

注: 随着产品不断更新和完善, 以上内容可能有变动, 恕不另行通知。

NOTE: This drawing is provided for reference only and should not be used for planning installation. Contact your local distributor for more detailed information.

控制系统 Control System

工作环境: (Work environment)

工作温度 Operating temperature : -20℃~60℃ 相对湿度 Relative Humidity : 95%

工作电压 Operating voltage : DC24V (范围 range : 18-30V, 耐压 pressure : 50V/5 mm)

总体功能及特征: (General functions and features)

控制屏具有体积小、性能可靠、操作简单, 内部线路清晰, 便于检测。具有自动检测和多种保护功能, 保护柴油机安全、稳定运行。

多界面显示机组工作及报警状态, 直观清晰, LCD 显示柴油机的各项参数。微电脑控制面板上可设定输入、输出、报警、延时等参数。

维护、手动、自动等多种工作模式。市电非正常无电源自动起动, 发电机组故障保护关机, 提供历史状态记录。发电机过压/欠压、发电机低频/高频、发电机转速欠速/超速、低油压、高水温、急停、蓄电池过压/欠压、过电流/短路故障等保护功能。

Control screen is small, reliable performance, simple operation, the internal circuits clear, easy detection. With automatic detection and protection features protect the engine safe and stable operation. Multi-interface display unit work and alarm state, intuitively clear, LCD displays the parameters of diesel engines. Microcomputer can be set on the control panel input, output, alarm, delay and other parameters. Maintenance, manual, automatic and other modes of operation. No non-normal electricity supply automatic starting, generator fault protection off, to provide historical state records. Generator over / under voltage, generator frequency / high frequency generator speed due to speed / overspeed, low oil pressure, high temperature, emergency stop, battery over / under voltage, over current / short circuit protection function.

开架式 Open Type		静音型 Silent Type	
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模块描述 Description

标准功能 Standard functions	停机 Shutdown	报警 Warning
发动机控制 Engine Control 发电机组监测 Generator Monitoring 机组保护 Generator Protection 发动机监测 Engine Monitoring 测试显示清理 Clear Text Display	降速显示 Loss of Speed Signal 发电机欠压/过压 Alternator Under / Over Voltage 发电机低频/超频 Alternator Under/ Over Frequency 市电欠压/过压 Mains Under / Over Voltage 市电低频/超频 Mains Under/ Over Frequency 低速/超速 Under / Over Speed 低油压 Low Oil Pressure 发动机高温 High Engine Temperature 电子相序(可选) Phase Sequence Electrical (Option) 接地故障 (可选) Earth Fault (Option)	发电机欠压/过压 Alternator Under / Over Voltage 发电机低频/超频 Alternator Under/ Over Frequency 市电欠压/过压 Mains Under / Over Voltage 市电低频/超频 Mains Under/ Over Frequency 低速/超速 Under / Over Speed 低油压预警 Low Oil Pressure Pre-Alarm 发动机高温预警 High Engine Temperature Pre-Alarm 电池电压过高/过低 High/Low Battery Voltage 过流 Over-current 定期维护 Periodic maintenance